

ABSTRACT

The present invention relates to a molding method of a microlens array with an enhanced transfer performance and a molding apparatus of the same. The invention addresses a method for molding a microlens array by heating and compressing a glass element between oppositely placed first and second cores, wherein a depression or projection part is formed for transferring and molding a plurality of concave lens elements on the compression molding surface of at least one of the cores. The glass element is set between each compression molding surface of the first and second cores, and is then compressed between them while providing restriction means for preventing the glass element from escaping in the direction perpendicular to the compression direction of the glass element, thereby compression molding the glass element with the restriction means and between the compression molding surfaces of the first and second cores.